CONTENTS Volume 14 (1990)

Vol. 14, No. 1 (September 1990)

Influence of physico-chemical properties of hydroxypropyl methylcellulose on naproxen release from sustained release matrix tablets
T.C. Dahl, T. Calderwood, A. Bormeth, K. Trimble (Palo Alto, CA, U.S.A.) and E. Piepmeier (Corvallis, OR, U.S.A.) 1
Kinetics of curing and physicomechanical behavior of silicone membrane
R.H. Bogner, J.-C. Liu and Y.W. Chien (Piscataway, NJ, U.S.A.) 11
Controlled release of naltrexone pamoate from linear poly(ortho esters)
Y.F. Maa and J. Heller (Menlo Park, CA, U.S.A.) 21
Evaluation of silicone-based pressure-sensitive adhesives for transdermal drug delivery. I. Effect of penetrant hydrophilicity
R. Toddywala and Y.W. Chien (Piscataway, NJ, U.S.A.) 29
Penetration of 5-fluorouracil and prodrugs across the intestine of the albino rabbit: Evidence for shift in absorption site from the upper to the lower region of the gastrointestinal tract by prodrugs
A. Buur, A. Yamamoto and V.H.L. Lee (Los Angeles, CA, U.S.A.) 43
Multiple water-oil-water emulsions as prolonged release formulations of pentazocine
B. Mishra and J.K. Pandit (Varanasi, India) 53
Metal complexes of polymers with amino acid residues. Formation, stability and controlled biological activity
V.A. Lee, R.I. Musin, R.I. Tashmukhamedov, M.I. Shtilman and S. Sh. Rashidova (Tashkent, U.S.S.R.) 61
The effect of lipid composition upon the encapsulation and *in vitro* leakage of metaproterenol sulfate from 0.2 μm diameter, extruded, multilamellar liposomes
R.M. Abra, P.J. Mihalko and H. Schreier (Menlo Park, CA, U.S.A.) 71
Sustained release albumin microspheres containing antibacterial drugs: Effects of preparation conditions on kinetics of drug release
K. Egbaria and M. Friedman (Jerusalem, Israel) 79
Meeting Report 95
Book Reviews 107
Calendar 109

Vol. 14, No. 2 (October 1990)

Review
Albumin microspheres and microcapsules: Methodology of manufacturing techniques
R. Arshady (London, U.K.) 111
Diffusion of peptides through hydrogel membranes
A. Domb (Baltimore, MD, U.S.A.), G.W.R. Davidson (Kalamazoo, MI, U.S.A.) and L.M. Sanders (Palo Alto, CA, U.S.A.) 133
Pharmacokinetics of a single transdermal dose of nicotine in healthy smokers
K.K.H. Chan, H.D. Ross, B. Berner (Ardsley, NY, U.S.A.), A.J. Piraino (Philadelphia, PA, U.S.A.) and V.A. John (Ardsley, NY, U.S.A.) 145
Mechanistic studies of macromolecular drug release from macroporous polymers. II. Models for the slow kinetics of drug release
R.A. Siegel (San Francisco, CA, U.S.A.) and R. Langer (Cambridge, MA, U.S.A.) 153
Diffusive characteristics of testosterone in novel gels. II. Interpretation for different concentrations of testosterone
F. Falson-Reig, G. Conrath, M. Besnard, B. Leclerc and G. Couarraze (Châtenay-Malabry, France) 169
Novel divisible tablet designs for sustained release formulations
A.C. Shah and N.J. Britten (Kalamazoo, MI, U.S.A.) 179
Book Reviews 187
News 189

Calendar 199
Erratum 201

Vol. 14, No. 3 (December 1990)

Mechanism of release from pellets coated with an ethylcellulose-based film
A.G. Ozturk, S.S. Ozturk, B.O. Palsson (Ann Arbor, MI, U.S.A.), T. Wheatley (Princeton, NJ, U.S.A.) and J.B. Dressman (Ann Arbor, MI, U.S.A.) 203
Release profiles of metronidazole and L-phenylalanine from individual albumin microspheres
K. Egbaria and M. Friedman (Jerusalem, Israel) 215
A one year controlled release implant for the luteinizing hormone releasing hormone superagonist RS-49947. I. Implant characterization and analysis of *in vitro* results
R. Burns, K. Peterson and L. Sanders (Palo Alto, CA, U.S.A.) 221
A one year controlled release implant for the luteinizing hormone releasing hormone superagonist RS-49947. II. Clinical performance results
R. Burns, G. McRae and L. Sanders (Palo Alto, CA, U.S.A.) 233
Effect of egg yolk lecithins and commercial soybean lecithins on *in vitro* skin permeation of drugs
M. Mahjour, B. Mauser, Z. Rashidbaigi and M.B. Fawzi (Morris Plains, NJ, U.S.A.) 243
Electrically controlled drug delivery systems using polyelectroyte gels
K. Sawahata, M. Hara, H. Yasunaga and Y. Osada (Mito, Japan) 253
Optimization of a microencapsulated liposome system for enzymatically controlled release of macromolecules
Y. Igari, P.G. Kibat and R. Langer (Cambridge, MA, U.S.A.) 263
A new method for the preparation of drug containing polylactic acid microparticles without using organic solvents
B. Wichert and P. Rohdewald (Münster, Germany) 269
Book Reviews 285
News from the Controlled Release Society 287
Meeting Announcement 293
Calendar 297
Author Index Volume 14 299
Subject Index Volume 14 301
Contents Volume 14 303